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नई बिस्ली, शनिवार, अप्रैल 9, 1983 (चैत्र 19, 1905)

No.15]

NEW DELHI, SATURDAY, APRIL 9, 1983 (CHAITRA 19, 1905)

इस भाग में भिग्न पृष्ठ संस्था वी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके । (Separate paging is given to this Part in order that it may be filed as a separate compilation)

PUBLISHED BY AUTHORITY

# भाग III--खण्ड 2

# [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारो की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस (Notifications and Notices issued by the Patent Office relating to Patents and Designs)

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17 GI/83

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214. ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under section 135, of the Act.

3rd March, 1983

265/Cal/83. Combustion Engineering. Inc., Bull ring for a coal pulverizer.

266/Cal/83. Cobustion Engineering, Inc. A trimetal pulverizer roll and a method of manufacture thereof.

267/Cal/83. Vickers, Incorporated. Power transmission.

268/Cal/83. N. V. Philips Gloellampenfabrieken. Circuit arrangement for an fm-receiver.

269/Cal/83. Stamicarbon B. V. Process for preparing melamine,

(223)

#### 4th March, 1983

- 270/Cal/83, I.S.C. Smelting Limited. Roasting of mixed sulphide ores or concentrates.
- 271/Cal/83. Inventio Ag. Double panel sliding door.
- 272/Cal/83. Economics Laboratory, Inc. A method and apparatus for manufacturing multi-layer printed circuit boards.
- 273/Cal/83. Proizvodstvennoe Obiedinenie Turbostroenia "Leningradsky Metaflichesky Zavod, Turbomachine rotor.

#### 5th March, 1983

- 274/Cal/83. Inco Research and Development Center, Inc.
  Process for the electrolytic production of hydrogen.
- 275/Cal/83. Ranendranath Das. Speed reduction gearing system over speed reduction bearing employing reversible worked done method. [Addition to No. 1391/Cal/82].

#### 7th March, 1983

276/Cal/83. United Technologies Corporation. Nobel metal catalyzed reactions.

# 8th March, 1983

- 277/Cal/83. Sri Akhiles Roy and Dr. Samir Chandra Lahiri. Synthesis of 5-(indan-1 '-yl) methyl tetrazoles as potential anti-inflammatory, antipyretic and C.N.S. stimulating agents.
- 278/Cal/83. Dr. Jayanta Kumar Gupta and Dr. Samir Chandra Lahiri. Synthesis of Indanamines as potential hypogylcemic, hypotensive and β -blocking agents.
- 279/Cal/83. Hiroshi Ishizuka. Apparatus and method for electrolysis of MgCl<sub>2</sub>.
- 280/Cal/83. Ethicon Inc. Retainer for sterile surgical products.
- 281/Cal/83. (1) David S. Hodes, (2) Grace Leidy, (3) Katherine Sprunt, (4) Piper Weldy. Preparation of an antibiotic selectively effective against staphylococcus infections.
- 282/Cal/83. Institut Francais Du Petrole. Production of clostridium acetobutylicum mutants of high butanol and acetone productivity, the resultant mutants and the use of these mutants in the joint production of butanol and acetone.
- 283/Cal/83. Prutec Limited. Cadmium sulphide solar cell.
- 284/Cal/83. Cosden Technology Inc. Polymerization of isobutylene.
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH AT TODI ESTATES HIRD FLOOR LOWER PAREL BOMBAY-13

#### 1st February, 1983

- 22/Bom/83. Manohar Lal Pinjani. Canal clear falls.
- 23/Bom/83. Manohar Lal Pinjani. Junction box for regulating the flow of canal water in the fields.
- 24/Bom/83. Manohar Lal Pinjani. Canal village road bridge.
- 25/Bom/83. Manohar Lal Pinjani. 2 way and 3 way canal water distribution box.
- 26/Bom/83. Manohar Lal Pinjani. Canal field outlet,
- 27/Bom/83. Mansur Jaffer Jani. Device for actuating reciprocating mechanisms in reciprocating pumps.
- 28/Bom/83. Rintas (S) PTE Ltd. A circuit arrangement for reducing electrical energy utilisation.

#### 2nd February, 1983

29/Bom/83. Mayur Shantilal Patel. An improvements in or relating to floating adaptor.

#### 4th February, 1983

30/Bom/83. Wimco Ltd. A universal joint.

#### 5th February, 1983

- 31/Bom/83. Indian Oil Corporation Ltd. Improvements in or relating to liquid fuel container and a fuel filter assembly incorporating the same.
- 32/Bom/83. Dr. Girish Vinayak Vaze. Automatic ventilator.
- 33/Bom/83. The Associated Cement Companies Ltd. High silica crystalline zolite and method of manufacturning the same.

#### 7th February, 1983

- 34/Bom/83. Hindustan Lever Ltd. (UK/10-2-82). Method softening fabrics.
- 35/Bom/83. Hindustan Lever Ltd. (UK/10-2-82). Fabric softening composition.
- 36/Bont/83. Hindustan Lever Ltd. (UK/10-2-82). Fabric softening composition.
- 37/Bom/83. Hindustan Lever Ltd. (UK/10·2-82). Fabric softening composition.

#### 8th February 1983

38/Bom/83. Viswanath Dattatraya Hukerikar and another.

Carburatted compression ignition type internal combustion engines.

#### 10th February, 1983

39/Bom/83. Mrs. Geeta Nanik Mankani. Bottle opener cum key chain.

#### 11th February, 1983

- 40, Bom/83. Larsen & Toubro Limited. A starter operated motor restarting electronic device and a starter operated motor having the same.
- 41/Bom/83. Electro-Mech Engineeing. A flour mill.

# 14th February, 1983

- 42/Bom/83. Garware-Wall Ropes Limited. The method of manufacturing filament/tape with built in microcellular structure.
- 43/Bom/83. Javprakash Anant Sathe. Plank Assembly for scaffolding.
- 44/Bom/83. Priyal Khanderao Kulkarni & Vijay Priyal Kulkarni. Improvement in or relating to containers for storing and preserving perishable articles in partial vacuume.

# 15th February, 1983

- 45/Bom/83. Basant Kumar Jain. New fluid container.
- 46/Bom/83. Smt. Sita Rani. An improved proportional fluid meter.
- 47/Bom/83. Hindustan Lever Limited. Photobleach system composition and process. (Convention date 19th Feb. 9th March, 1982).
- 48/Bom/83. Riaz Abid Kagalwala. A complex gas discharge lamp.

# 16th February, 1983

49/Bom 83. Wimco Limited. A Cassette Infeed Device.

#### 17th February, 1983

50/Bom/83. Surendra Rudhyan Kotkar. In-line valve for fucl-filters of diesel engines and the like.

#### 8th February 1983

51/Bom/83. Larsen & Toubro Ltd. A nut Retainer Plate and a method of manufacturing the same.

#### 19th February, 1983

52/Bom/83. Prabhakar Dattatraya Bhand Bullet-Proof Fibreglass Armout.

# APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

# 14th February, 1983

35/Mas/83. A. Venkatachalam. A stripping roller system for stripping the carded web of fibres from the doffer of a carding machine.

#### 16th February, 1983

36/Mas/83, Dr. G. P. R. Palnitkar. Semicylindrical Solar, Water Heater.

#### 17th February, 1983

37/Mas/83. Shri Z. Vedanayagam & G. R. Natarajan. All Purpose portable re-chargeable Torch.

38/Mas/83. S. Chadda, S. P. Satyabala, Dr. S. P. M. Rao and Dr. E. S. Chari. Digital Ultrasonic Velocytymeter.

#### 21st February, 1983

39/Mas/83, G. S. Nagaraju, Λ Protective Device for Vehicle Wheels.

### 25th February, 1983

40/Mas/83, M. K. Dwarakinath. Curved surface sea wall to elevate water for generating electrical power.

#### 28th February, 1983

41/Mas/83. K. S. Seetharamiah & Sons (Pvt.) Ltd. Suspension. Device for Centrifugal Separations.

42/Mas/83. K. S. Seetharamiah & Sons (Pvt.) Ltd. Improvements in or relating to Reels for Raw Silk Filaments.

# 1st March, 1983

43/Mas, 83, M. P. Mohammed. A Digital Clock with spot Announcements.

#### 5th March, 1983

44/Mas/83. Dr. Jose Thaikattil. An Appliance for Cooking.

45/Mas/83. Dr. Jose Thaikattil. Improved Pressure Cooker.

46/Mas/83. Dr. Jose Thaikattil. Improved Cooker.

47/Mas, 83. Dr. Jose Thaikattil. Improvements in or relating to Pressure Cookers.

48/Mas/83. Dr. Jose Thaikattil. An improved Cooker.

49/Mas/83. Dr. Jose Thaikattil. Improved Comb.

50/Mas/83. Indian Institute of Technology. A process for the Manufacture of Depolariser Grade Manganese Dioxide from Pyrolusite Chips.

51/Mas/83. M. Ramanathan. A Power Trowel.

# COMPLETE SPECIFICATION ACCEPTED

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#### CLASS-10E.

151382.

Int. Cl. F 42 b 27/00.

# A HAND GRENADE.

Applicants: OREGON ETABLISSEMENT FUR PATENTVERWERTUNG, OF RINGSTRASSE 226, MAUREN/FURSTENTUM, LIECHTENSTEIN.

Inventor: JOHN JOSEPH FROST.

Application No. 770/Cal/79 filed July 26, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 10 Claims.

A hand grenade having a fragmentation body and a detonator head from which a detonator tube with the detonator projects into the lower half of the interior of the fragmentation body, which is filled with explosive, characterized in that the interior of the hand grenade is divided into two chambers superjacently arranged and open in respect of each other of which the lower chamber extends at least over half the height of the interior of the hand grenade and has side walls which are curved in the same direction and which project inwardly at their upper edge in the form of an annutar rib, wherein said annular rib forms a construction of the interior between said lower and upper chambers.

(Compl. Specn. 14 Pages. Drg. 1 Sheet.)

#### CLASS-48C.

151383.

Int. Cl. H 01 b 3/00.

ELECTRICALLY INSULATIVE HOLLOWPROFILE STRUCTURAL PART WITH HIGH-TENSION ATTACHING ELEMENTS AND METHOD OF CONSTRUCTING SAME.

Applicants: MICAFIL LTD., OF BADENERSTRASSE 780, 8048 ZURICH, SWITZERLAND.

Inventor: ARMIN PIUR.

Application No. 882/Cal/79 filed August 27, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 13 Claims.

An electrically insulative hollow-profile structural part having ends with high-tension attaching elements fastened thereto, for use in SF $_{\rm 0}$  insulating gas environments, comprising : a hollow glass-reinforced plastic core; a protective cover which is resistant to separation products of SF $_{\rm 0}$  insulating gas disposed over the surfaces of said hollow glass-reinforced plastic core that would be contacted by SF $_{\rm 0}$  insulating gas in the absence of the protective cover, each end of the covered core having a conical surface formed in part by said hollow glass-reinforced plastic core and in part by said protective cover; and , high-tension attaching elements, for each

of said ends, with conical surfaces facing opposite the conical of said class, with content surfaces facing opposite the content aurfaces on the ends of the covered core, the high-tension attaching elements being disposed on the conical surfaces on the ends of the covered core in such a way that the conical surfaces on the ends of said covered core are covered gastight by the conical surfaces of the high-tension attaching elements and are tensionally connected thereto.

(Compl. Specn. 14 Pages. Drg. 2 Sheets.)

CLASS-99B.

151384.

Int. Cl. B 65 d 1/12.

A PROCESS FOR FABRICATING ALUMINIUM SHEET.

Applicants . COORS CONTAINER COMPANY, OF 17755 WEST 32 AVENUE, GOLDEN, COLORADO 80401, UNITED STATES OF AMERICA.

Inventors: (1) KING GILLETTE ROBERTSON, (2) DONALD CHARLES MCAULIFFE.

Application No. 1000/Cal/79 filed September 24, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 8 Claims.

A process for fabricating aluminium sheet suitable for A process for fabricating aluminium sheet suitable for numuracturing drawn-and-ironed cam bodies and can enducomprising: (a) forming an aluminium alloy helt composition consisting of: silicon 0.1 — 1.0%; iron 0.1 — 0.9%; manganese 0.4 — 1.0%; magnesium 1.3 — 2.5%; copper 0.05 — 0.4% and titanium 0 — 0.2%, the balance being essentially aluminium, said manganese and magnesium being present in a total concentration of 2.0 — 3.3% and in a ratio of magnesium to manganese, of between 1.4: 1 and present in a total concentration of 2.0 — 3.3% and in a ratio of magnesium to manganese of between 1.4:1 and 4.4:1; (b) casting said alloy at 700 — 750°C into an ingot; (c) preheating said ingot to 550 — 600°C for 4 to 6 hours; (d) hot rolling said ingot to a srtip of cold rolling gauge; and (e) cold rolling said strip of cold rolling gauge to at least 40% reduction to form cold rolled sheet.

(Compl. Specn. 31 Pages. Drg. 2 Sheets.)

51385.

Int. Cl. A 61 K 27/00; C 09 K 3/00.

A PROCESS FOR THE PREPARATION OF BIRTH CONTROL OIL COMPOSITION FOR THE PREVENTION OF PREGNANCY.

Applicant & Inventor: MRINAL KANTI BHATTA-CHARJEE, OF C/O GURUDAS BHATTACHARJEF & SONS, 72 M.G. ROAD, CALCUTTA 9, WEST BENGAI, INDIA.

Application, No. 377/Cal/80 filed April 1, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

# 2 Claims. No drawing.

A process for the manufacture of birth control oil composition from the indigeneous herbs and plans composing the following steps:—(a) grinding the following Raw materials separately and mixing them in the following proportion (W/W)

(i)	Nimphal	٠.	2.1%
(ii)	Garlie		2.1%
∢iii)	Lata Kastury		2.1%
$(\mathbf{v}^{t})$	Auswagandha		21.3%
(v)	Rakhal Shasha	,	21.6%
(vi)	Camphor		217
(vii)	Cinnamon		21%
(ilir)	Big Cardamon		2.1%

(b) mixing the above mass in Mustard Oil which forms the balance 43%) of the total oil composition to be prepared, stating the resultant mixture thoroughly and kept in a dark cool place for twelve hours after which the mixture is boiled for fifteen minutes with stirring until foam is formed,

(c) cooling the boiled solution in a dark place the filtering the cold solution containing sediment to set the filtrate is collected in a clean container, to get the vesultant Birth control oil composition.

(Compl. Specn. 4 Pages. Drg. Nil.)

CLASS-206E.

151386.

Int. Cl. H O 3 K 17/00.

Title: ELECTRONIC SELECTOR SWITCH.

Applicant and Inventor: DILIP RANGNATH DESH-PANDE 850/8, BHANDARKAR ROAD, PUNE-411 004, MAHARASHTRA, INDIA.

Application No. 52/BOM/1980 filed March 7, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Bombay Branch.

#### 1 Claim.

An electronic selector switch comprising a manually operated unitary key, to generate clock pulse with the help of an oscillator circuit. the said clock pulse being fed to a shift register having plurality of outputs connected to LED indicators and also parallelly connected to relay block through which the circuit of the selected signal is completed; a NOR or a NAND gate being connected to the said shift register outputs whose output in turn is connected to serial input of the said shift register.

(Compl. Specn. 7 Pages. Drawing Sheet 1.)

Int. Cl. 204.

151387.

Int. Cl. G01g 21/18.

Title: A TWO PAN BALANCE.

Applicant and Inventor: (1) ISHWARILAL POPATLAL KANDIYA, (2) VINODRAI POPATLAL KANADIYA, (3) SANMUKHRAI POPATLAL KANADIYA, 65/6, INDUSTRIAL AREA, OPP. ICE FACTORY, VATWA-382445, GUJARAT, INDIA.

Application No. 242/BOM/80 filed on August 14, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Bombay Branch.

A two pan balance comprising a fixed pan support member 5 adapted to be hung from each end or a beam of the balance, the said fixed pan support member 5 having two arms each of the arm being provided with a plurality of holes 6 and with means at the lower end of the arms for sliding in the groove 4 provided in a slidable pan support member 3; each of said slidable support member 3 having at the upper end a locking means for locking it at a desired position determined by the said holes 6 in the fixed support member 5 and an 'L' shaped channel at the lower and 9 for supporting a pan supporting a pan.

Compl. Specn. 5 Pages. Drawing 1 Sheet.)

CLASS-156D & E.

151388.

Int. Cl. F 03 g 7/00.

A PUMPING DEVICE DRIVEN BY SOLAR ENERGY

Applicants: SOLAR PUMP CORPORATION, OF N EVADA 300 WEST BOSTON AVENUE, LAS VEGAS, NEVADA 89102, U.S.A.

Inventor: HARVARD PRATT STUBBS.

Application No. 1616/Cal/77 filed November 16, 1977.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

# 21 Claims.

pumping device driven by solar energy comprising: a collector for receiving and concentrating heat from the sun's rays; means providing an array of conduits adapted to carry a vaporizable fluid within said collector, said conduits having a common inlet and a common outlet; a vapor pressure actuated motor means located within said collector, said motor means having a reciprocating drive shaft extending from said collector and being in contact with a pivotal lever arm for working the pump shaft of a conventional pump, said motor means having control means connected to said common outlet of the conduits for receiving vaporized fluid; frame means supporting said collector; condenser means supported by said frame means for receiving vapor said motor means and condensing it to its fluid form for recycling to said collector; pump means attached to said condenser means for supplying condensed fluid to said common inlet for said conduits in said collector.

(Compl. Specn. 30 Pages. Drg. 5 Sheets.)

CLASS-70C4

151389.

Int. Cl. C 23 b 5/00, C 25 d 3/00.

A METHOD FOR PREPARING A CHROMIUM OR A CHROMIUM ALLOY ELECTROPLATING SOLUTION,

Applicants: INTERNATIONAL BUSINESS MACHINES CORPORATION, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors: (1) DONALD JOHN BAKCLAY, AND (2) WILLIAM MORRIS MORGAN.

Application No. 286/Del/78 filed April 18, 1978.

Convention date 14th June, 1977 (24734/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Delhi Branch.

4 Claims. No drawing.

A method for preparing a chromium or a chromium alloy electroplating solution comprising equilibrating an aqueous solution comprising a chromium (III) salt, thiocyanate ions and a buffer material such as an amino acid, a formate or an acetate for a time and at a temperature so that an aqueous solution of a mixed chromium (III) thiocyanate complexes is formed in which the buffer material provides one of the ligands for the mixed complexes.

(Compl. Specn. 15 Pages. Drg. Nil.)

CLASS-146D<sub>2</sub>.

151390.

Int. Cl. G 02 b 27/00.

PICTURE VIEWER WITH CHANGE MECHANISM.

Applicants: LICINVEST AG, OF GRABENSTRASSE, 15, CH-7002 CHUR, SWITZERLAND.

Inventor: PETER ACKERET.

Application No. 1038/Cal/78 filed September 20, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 21 Claims.

Picture viewer with a change mechanism, with a housing adapted to the picture format and having a viewing window, with a slider member mounted in the housing so as to slide between two stops, during the withdrawal stroke of which slider member a picture is removed from one end of an inserted pile of pictures and during the return stroke of which it is added to the other end of the pile, for which the slider member has a transporter for the individual picture and the housing has a separator for holding the remaining pile, characterised in that there are provided on the side of the pile facing the viewing window, in the housing or in the slider member, support elements for supporting the next picture to be added to the pile, which support elements can be disabled temporarily by the movement of the slider member in order to convey the picture into the space beneath the supporting elements.

(Compl. Specn. 26 Pages. Drg. 5 Sheets.)

CLASS-108C<sub>2</sub> & a.

Int. Cl. C 21 C 1/00, 7/10.

151391.

AN IMPROVED TYPE OF REFINING PROCESS FOR FERROUS AND NON-FERROUS METALS AND ALLOYS.

Applicant & Inventor: NIKU PURNACHANDRA, OF VILLAGE: CHOTORALPUR, POST: GOKARNAPUR, DISTRUCT GANJAM, STATE ORISSA, INDIA.

Application No. 1169/Cal/78 filed October 27, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

### 10 Claims.

An improved refining process for Ferrous and Non-Ferrous metals and alloys for example of Stainless-Steels, in that after primary melting and refining, the said Steel is Cast into hollow ingots or slabs and is then melted in a water cooled metallic mould, containing a layor of slag consisting of 50 to 80 percent Calcium Fluride (Ca F<sub>2</sub>), 20 to 40 percent Aluminium Oxide (Al<sub>2</sub>O<sub>3</sub>) and 10 to 20 percent of Calcium Oxide (CaO), preferably of 70% CaF<sub>3</sub>, 20% Al<sub>2</sub>O<sub>3</sub>, and 10% CaO, and one terminal of the single phase A.C. or D.C. or Polyphase supply is connected to one end of the said Ingot here in after referred as the Electrode and the other terminal of the said Electric supply or neutral of the Polyphase supply is being connected to the said mould which is open at both ends and rests on a water cooled base plate as illustrated in the accompanying drawing, and a low voltage current of the order of 20 to 60 Volts and preferably at 45 Volts is supplied across the said terminals and heat generated across the said Electrode gets melted due to the high temperature of the Order of 1700 to 2000 degree centherating, whereby the said Electrode gets melted due to the high temperature of the Order of 1700 to 2000 degree centherated, generated in the slag layer, and during melting of the said Electrode Argon gas and/or Nitrogen or a mixture thereof is passed through the Central bore of the Electrode which may present in the metal is removed along with the Argon gas and also the non-metallic inclusions in the metal are removed to a great extent due to the slag metal agitation and the refined metal gets solidified inside the mould.

(Compl. Specn. 16 Pages. Drg. 1 Sheet.)

CLASS-116C.

151392.

Int. Cl. B 65 g 43/00.

DEVICE FOR INDICATING THE LEVEL OF A CONVEYOR AT DIFFERENT HEIGHTS FOR EXAMPLE IN MINING.

Applicants: SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors: (1) HERBERT HELD, (2) HELMUT WOLTERS.

Application No. 1218/Cal/78 filed November 9, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 18 Claims.

A device for indicating the level of a conveyor which is movable between two levels at different heights, which device comprises a coarse indicator and a fine indicator to indicate the varying level of the said conveyor, at least the coarse indicator comprising a scale and a plurality of light emitting diode light sources adaptent the scale, and an electronic synchronous switching means for actuating the light sources to indicate the level of the conveyor on the scale in response to input pulses synchronized with the drive means of the conveyor.

(Compl. Speen. 15 Pages. Drg. 4 Sheets.)

CLASS-150F & 151F.

151393.

Int. Cl. F 16 1 21/00.

A PIPE PART WITH A SOCKET END.

Applicants: WAVIN B.V., OF 251 HANDELLAAN, 8031 EM ZWOLLE, THE NETHERLANDS.

Inventors: (1) BERNHARD LODDER, (2) GERARD ANTON EMILE BLOK, AND (3) JAN PETER VAN DONGEREN.

Application No. 542/Cal/79 filed May 26, 1979.

Convention date 9th March, 1979 (08413/79) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 27 Claims

A pipe part with a socket end for receiving a male pipe part, said socket end being at least provided with an internal groove characterized in that an annular sealing member is disposed, the annular sealing member is support ring, removable from below the sealing member, said support ring compressing the sealing ring to an extent less than a male pipe part compresses the scaling ring after its insertion.

(Compl. Specn. 22 Pages. Drg. 6 Sheets.)

CLASS-69g, I, O.

151394.

Int. Cl. H 01 h 1/50, 13/00.

ELECTRICAL CONTACT ASSEMBLY.

Applicants: SIEMENS ARTIENGESELLSCHAFT, OF BERLIN AND MUNICH, FEDERAL REPUBLIC OF GERMANY.

Inventor: JOHANN BAUER.

Application No. 592/Cal/79 filed June 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 9 Claims.

An electrical contact assembly comprising a housing; contact members, fixed relative to the housing; a contact bridge carrier; a contact bridge disposed in a window of said carrier and arranged for movement towards and away from said fixed contact members; resiltent bias means constrained between said bridge and an abutment surface on said carrier and arranged to bias said bridge towards said fixed contact members; and a bearing member arranged to be interposed between said abutment surface and a respective end of said resilient bias means to pre-stress the latter, the bearing member then being in a position in which it bears against at least one part of, or fast with said housing, and the arrangement being such that the bearing member may be slid into said position from outside the contact bridge assembly, in a direction transversely of the line of action of said resilient bias means.

(Compl. Specn. 8 Pages. Drg. 3 Sheets.)

CLASS-10C & F.

151395.

Int. Cl. F 42 b 9/28, 9/30.

A PELLET FOR AN AIR, GAS OR SPRING GUN.

Applicants: HUGE EDWARD EARL, OF 63 HENDON WAY, LONDON NW2 (FORMERLY OF 47 WOODVALE, LONDON, N10), GREAT BRITAIN AND MICHAEL ROBINS, OF I REDWOOD MOUNT, BEECH ROAD, RELGATE, SURREY, GREAT BRITAIN.

Inventors: (1) HUGH EDWARD EARL, AND (2) MICHAEL ROBINS.

Application No. 662/Cal/79 filed June 28, 1979.

Convention date 3rd July, 1978 (28654/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972) The Patent Office, Calcutta.

#### 12 Claims.

A pellet for an air, gas or spring gun, comprising a head portion made of nictal or metal containing plastics material, and a skirt portion, larger in diameter than the head portion and made of substantially elastic plastics material, for slidably engaging a gun barrel bore surface via an outer surface

on the skirt portion, the head portion providing weight for the skirt portion during flight of the pellet.

(Compl. Specn. 13 Pages. Drg. 1 Sheet.)

CLASS-172C<sub>3</sub>.

151396.

Int. Cl. D 01 g 7/00.

AN APPARATUS FOR THE OPENING OF SEVERAL TEXTILE FIBRE BALES.

Applicants: TRUTZSCHLER GMBH & CO. KG. OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventor: HANS-JURGEN MARX.

Application No. 728/Cal/79 filed July 16, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 2 Claims.

An apparatus for opening of several textile fiber bales having an opening member arranged for travel along serially atranged fiber bales comprising a grate in the form of parallel-spaced grate bars having an operative position in which they extend parallel to the direction of travel of the opening member and press down on an upper surface of the bales; the opening member having opening clements projecting through clearances defined between adjoining grate bars; the improvement wherein said grate comprises first and second groups of grate bars and the grate bars belonging to different groups are arranged alternatively as viewed in a direction transverse to the travelling direction of said opening member; the improvement further comprising support means for supporting the grate bars for movement in a vertical plane; the grate bars of said first group being movable with respect to the grate bars of said second group for laterally varying the operative position of the grate bars, whereby ridges of bale material formed underneath the grate bars are periodically exposed.

(Compl. Specn. 12 Pages. Drg. 4 Sheets.)

CLASS-172D4.

151397.

Int. Cl. D 01 g 9/00; D01 h 7/00.

APPARATUS FOR REMOVING DIRT PARTICLES FROM STAPLE FIBRES AND FOR STRAIGHT ENING SAID FIBRES IN AN OPEN-END SPINNING PROCESS.

Applicants: VYZKUMNY USTAV BAVŁNARSKY, OF USTI NAD ORLICI, CZECHOSLOVAKIA.

Inventors: (1) MILOS VECERA, AND (2) JOSEF SKALA.

Application No. 741/Cal/79 filed July 19, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 6 Claims.

An apparatus for removing both coarse and fine dirt particles from staple fibres, and straightening clean fibres in an open-end spinning unit comprising a housing containing a feeding device for feeding a silver to a combing roller which is arranged in said housing and which by its cylindrical surface together with the housing wall facing it, provides libre opening sector, said housing wall merging further into a dirt\_discharge opening, an aerating duct and a fibre supply duct, the apparatus being characterised in that downstream of the fibre opening sector (A) there is provided a discharging sector (B) haying a flared configuration formed by cylindrical surface of the combing roller (4) and the spaced apart well of the housing (1), said discharging sector (B) merging, via a widened mouth of the dirt-discharge opening (6) into a fibre straightening sector (C) having also a flared configuration formed by the cylindrical surface of the combing roller (4) and the spaced apart wall of the housing (1).

(Compl. Specn. 15 Pages. Drg. 2 Sheets.)

CLASS-32C.

151398.

Int. Cl. C 07 g 7/02, C 12 d 13/10.

A PROCESS FOR PRODUCING A GLUCOAMYLASE ENZYME PREPARATION.

Applicants: CPC INTERNATIONAL INC., OF INTERNATIONAL PLAZA, ENGLEWOOD CLIFFS, NEW JERSEY 07632, UNITED STATES OF AMERICA.

Inventors: (1) MASAKI TAMURA, (2) MIZUHO SHI-MIZU, (3) MINORU TAGO.

Application No. 744/Cul/79 filed July 20, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 2 Claims.

A process for producing a glucoamylase enzyme preparation having an optimum glucoamylase activity at pH 6.0 to 6.5 at 60°C which comprises culturing cells of a strain of Stachybotrys subsimplex in a nutrient medium such as herein defined and isolating as herein described the glucoamylase enzyme preparation from the culture medium.

(Compl. Specn. 24 Pages. Drg. 4 Sheets.)

CLASS-116C.

151399.

Int. Cl. B 65 g 43/00.

DEVICE FOR SAFETY GUIDING OF HAULING CHAIN ESPECIALLY AT RANGING DRUM SHEARER IN COAL MINING.

Applicants: POLITECHNIKA SLASKA IM, WINCENTEGO PSTROWSKIEGO, OF GLIWICE, POLAND,

Inventor: JAN RYNIK.

Application No. 762/Cal/79 filed July 24, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 6 Claims

Device for safety guiding of hauling chain, especially at ranging drum shearer in coal mining equipped with chain haulage drive, comprising the screening of hauling chain uncovered from the drum shearer's side, wherein the uncovered side of said screening is closed by the screening end [20] of double end lever [15] pivoted in the hub [16] attached below the lower plate [12] of said chain screening.

(Compl. Specn. 10 Pages. Drg. 4 Sheets.)

CLASS-71B.

151400.

Int. Cl. E 21 C 3/00.

DEVICE FOR COOLING THE CUTTER TEETH OF  $\Lambda$  CUTTER TOOL,

Applicants: VOEST-ALPINE AKTVENGESELLSCHAFT, OF A 1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors: (1) ALFRED ZITZ, (2) OTTO SCHETINA, (3) HERWIG WRULICH.

Application No. 810/Cal/79 filed August 4, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 14 Claims.

A device for cooling the cutter teeth of a cutting tool, preferably a rotary cutter head, of a rock-cutting machine, which cutter teeth are only temporarily in engagement with the rock to be cut, and for cooling the breast, by means of a coolant which is discharged from nozzles mounted on the cutting tool and associated with respective cutter teeth, wherein control means are provided which permit a supply of coolant to a given nozzle only when the cutter tooth with which sald nozzle is associated engages the rock, characterized in that the coolant consists in known manner of water without

an admixture of air and the supply of coolant to a given nozzle (22, 32) is controlled independence on the load on the cutter tooth with which said nozzle is associated.

(Compl. Specn. 16 Pages. Drg. 2 Sheets.)

CLASS-70C<sub>6</sub>.

151401.

Int. Cl. B 01 K 1/00.

PRODUCTION OF ALKALI METAL CARBONATE IN A MEMBRANE CELL.

Applicants: DIAMOND SHAMROCK CORPORATION, OF 1100 SUPERIOR AVENUE, CLEVELAND, OHIO, U.S.A.

Inventors: DONALD LOUIS DERESPIRIS AND THOMAS JOSEPH GILLIGAN.

Application No. 1123/Cal/79 filed October 27, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 8 Claims No drawing.

In a method for producing an alkali metal carbonate wherein:

(a) an alkali metal chloride such as herein described is electrolyzed in an electrolytic cell having an anode and cathode in anolyte and cathodyte compartments separated by a permselective cation-exchange membrane that is impervious to hydraulic flow (b) carbon dioxide is introduced into catholyte in the cell or into catholyte being recirculated outside the cell to convert substantially all of the alkali metal hydroxide produced in the catholyte compartment to alkali metal carbonate; and (c) alkali metal carbonate is removed from the catholyte compartment or from the recirculating entholyte; the improvement which comprises: (d) juxtaposing the cathode contiguous to the membrane in a manner such as herein described.

(Compl. Specn. 18 Pages. Drg. Nil.)

CLASS-29A.

131402.

Int. Cl. G 06 g 7/00, 7/22.

COORDINATE CONVERTOR.

Applicants: SIEMENS AKTIENGESFLLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor: DR. FELIX BLASCHKE.

Application No. 142/Cnl/79 filed February 15, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta,

# 12 Claims.

A coordinate convertor for converting first and second preset quantities a1 and a2, which correspond to the Cartesian coordinates of a vector, into at least a third quantity K. tan \( \text{car} \) /2 which indicates the angle coordinate of the vector represented in polar coordinates, the convertor comprising a dividing means, a first adding means, a multiplying means and a second adding means, and the convertor being such that when it is in use the second quantity a2 is applied to the dividend input of the dividing means and the output quantity of the first adding means is applied to the dividing means, the first adding means is acted on by the first quantity a1 and by the output quantity of the second adding means, the output quantity K. tan \( \text{car} \) /2 of the dividing element is on the one hand extracted as the third quantity and on the other hand is applied to one input of the multiplying means, the other input of the multiplying means is acted on by the second quantity a2, the first quantity a1 and the output quantity of the multiplying means are applied to the second adding means, and the output quantity of the second adding means is extracted as a fourth quantity of which corresponds to the magnitude coordinate of the vector represented in polar coordinates.

(Compl. Speen, 23 Pages Drg. 4 Sheets.)

CLASS-131C.

151403.

Int. Cl. E 21 d 15/00.

IMPROVEMENTS IN OR RELATING TO MINE ROOF SUPPORTS.

Applicants: FLETCHER SUTCLIFFEWILD-LIMITED, OF UNIVERSAL WORKS, HORBURY, WAKEFIELD WF4 5HR, YORKSHIRE, ENGLAND.

Inventor: MALCOLM WAKE.

Application No. 1184/Cal/79 filed November 14, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

#### 4 Claims.

A mine roof support comprising a plurality of chock legs, cach being mounted at its lower end in a base means of the support, with co-operating and contacting convex/concave surfaces on the chock leg and base means respectively, and the chock leg being provided at a distance spaced upwardly from the contacting surfaces with an exterior abutment attached to a spacer tube extending from, and attached to, the end cap of the chock leg remote from the contacting convex/concave surfaces, the base means providing a co-operating abutment such that contact between the two abutments prevents withdrawal of the chock leg from the base

(Compl. Specn. 8 Pages. Drg. 2 Sheets.)

CLASS-127G.

151404.

Int. Cl. F 16 h 1/38.

VARIABLE LEVERAGE BEVFL GEARING.

Applicants: FAIRFIELD MANUFACTURING COMPANY, INC., OF U.S. 52 SOUTH, LAFAYETTE, IN 47902, UNITED STATES OF AMERICA.

Inventors: (1) THOMAS M. MCCAW.

Application No. 1185/Cal/79 filed November 14, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

# 2 Claims.

A variable leverage bevel gearing including in combination a grar having bevel teeth and a pinion having bevel teeth, said gear bevel teeth being in meshing engagement with said pinion bevel teeth, said gear bevel teeth and said pinion bevel teeth having lines of contact, said lines of contact having midvoints which coincide with a given plane of retaion of said gear having said bevel teeth.

(Compl. Specn. 6 Pages. Drg. 2 Sheets.)

CLASS-32F1 & 55D2.

151405.

Int. Cl. C 07 C 87/48, 93/14, 93/26.

A PROCESS FOR THE PREPARATION OF 2', 6'-DIA-LKYL-N-ALKOXYMETHYL-2-CHLORO-ACETANILIDES.

Applicants: NITROKEMIA IPARTELEPEK, OF FUZFO-GYARTELEP, HUNGARY, NEHEZVEGYIPARI KUTATO INTEZET, OF VESZPREM, HUNGARY, AND MTA MEZOGAZDASAGI KUTATO INTEZET, OF MARTONVASAR, HUNGARY.

Inventors: (1) ANDRAS HAAS, (2) DR, MIKLOS-KO-VACS, (3) LASZLO KULCSAR, (4) DR, MIKLOS NAD-ASY, (5) DR, BALINT NACY, (6) DR, ANDRAS VASS, (7) ERVIN VFRTESI, (8) BELA GYORFI, (9) LASZLO J. SZABO(10), MRS. KORNELIA DOM'AN, (11) GYORGY HUSZAK, (12) ZOLTAN KOLONICS, (13) LASZLO LENDVAI, (14) JENO PELYVA, (15) ENDRE SUMEGI, (16) ELEMER TOMORDI.

Application No. 1342/Cal/79 filed December 26, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta,

#### 9 Claims.

A process for the preparation of a 2', 6'. -dialkyl-N-alkoxy-methyl-2-chloro-acetanilide compound of the general formula (I).

Formula I

wherein  $R_1$ ,  $R_2$  and  $R_3$  are identical or different and stand for straight-chained or branched  $C_{1^*4}$  alkyl groups, by converting a dialkyl aniline into a Schiff base, and reacting the cribed form 30 within three months from the date of this resulting Schiff base with a haloacyl halide and an alkanol, characterized in that a dialkyl aniline of the general formula (II)

Formula II

wherein  $R_1$  and  $R_2$  are as defined above, is treated with aqueous formaldehyde solution in an apolar solvent at a temperature of 30 to 80°C, the solution of the resulting exymethyl derivative of the general formula (IIIA),

Formula IIIa

wherein  $R_i$  and  $R_{i'}$  are as defined above, formed with said apolar solvent is separated from the aqueous formaldehyde solution at an elevated temperature and then dehydrated, the azomethine derivative of the general formula (III)

Formula III

wherein  $R_1$  and  $R_2$  are as defined above, obtained in the dehydration step is reacted with chloroacetyl chloride in the same apolar solvent medium, the resulting chloromethyl derivative of the general formula (IV)

Formula IV

wherein R<sub>1</sub> and R<sub>2</sub> are as defined above, is reacted with an alcohol of the general formula (V),

#### R. ... OH

wherein  $R_3$  is as defined above, in an amount sufficient to bind the hydrochloric acid liberated in the reaction, the reaction mixture is admixed with water, the organic phase containing the required end-product is separated, and if desired, the end-product of the general formula (I) is removed from the organic phase by a method known per se.

(Compl. Specn. 19 Pages. Drg. 1 Sheet.)

#### OPPOSITION PROCEEDINGS

An opposition has been entered by the Associated Cement Companies Limited to the grant of a patent on application No. 150390 made by Orissa Cement Limited.

#### PATENTS SEALED

 149752
 149809
 149832
 149892
 149903
 149964
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#### AMENDMENT PROCEEDINGS UNDER SECTION 17

Notice is hereby given that Cotton Incorporated, 1370 Avenue of the Americas, New York, N.Y. 10019, State of Tennessee, United States of America have made an application under section 57 of the Patents Act, 1970 for amendment of the specification of their patent application No. 149544 for "Improved process for removing and obtaining cellulosic fibers from seed hulls". The amendments are by way of deletion. The application for amendment and proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is notified with the notice of opposition it shall be left within one month from the date of filing the said notice.

# PATENTS DEEMED TO BE ENDORSED WITH THE WORDS LICENCES OF RIGHT

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

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No.	Title of the invention
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- 145415. (30-08-77) A process for producing an acid agent,
- 145851, (07-04-77) Process for producing acrylonitrile.
- 145866. (29-01-77) Method for the preparation of a catalyst containing titanium of vanadium trichloride.
- 145873. (08-08-77) Direct reduction process of iron oxide containing materials carried out in a rotary kiln.
- 145890. (25-03-77) A process for producing titanium tetrachloride from titanium oxide-bearing material.
- 145962. (03-09-74) Process for the ammoxidation of olefins.
- 145963. (03-09-74) Process for the oxidative dehydrogenation of olefins.
- 155964. (03-09-74) Process for the oxidation of olefins.
- 145979. (27-10-76) Process for preparing improved discrete polyurea microcapsules.
- 155990. (06-06-77) A method of crystallizing aluminium sulphate solution to dust free granules having uniform grain size.
- 146004. (30-04-77) A process for the manufacture of acrylonitrile-butadiene styrene copolymer.
- 146029. (05-04-77) A sulphate recycle process for the preparation of N-P-fertilizers from Indian rock phosphate.

### COMMERCIAL WORKING OF PATENTED INVENTION MECHANICAL & GENERAL ENGINEERING LIST-I

The following Patents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by the Patentes in the statements filed by them under section 146(2) of the Patents Act, 1570, in 1651 cct of Calcader year, 1981, generally on account of want of requests for Licences to work the Patented inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of Licence for the purpose.

SI. No.	Patent No.	Date of Patent	Name and address of Patentees	Title of the invention.
1	2	3	4	5
1	105195	10-5-66	Caterpillar Tractor Co., State of California, 100 N.E. Adams Street, Peoria, Illinois 61629. U. S. A.	System for controlling vibrations between articulately connected vehicle components,
2	108651	30-12-66	Pandrol Limited, 7 Rolls Buildings, Fetter Lane, London, E. C. 4, England.	Concrete railway sleepers of rail fastening arrangements employing them.
3	109540	1-3-67	Caterpillar Tractor Co., State of California, 100 N.E. Adams Street, Peoria, Illinois 61629. U.S. A.	Tractor scraper continuation with resilient means to provide temporary support therefor.
4.	111205	22-6-67	F. L. Smidth & Co. A/S., of 77, Vigerslev Alle, Copenhagen-valby, Denmark,	Improvements in or Melating to methed of producing ground material & a grinding mill therefor.
<b>.</b>	. 111227	23-6-67	Kiyoyasu Waka, and Fugi Manufacturing Co., Ltd., M 378, Kinuta-cho, Setagaya-ku-Tokyo, Japan.	Magnetically actuated tumbler lock.

1	2	3	4	5
6	111749	31-7-67	Caterpillar Tractor Co., State of California, 100 N. E. Adams Street, Peorla, Illinois 61629. U. S. A.	Track link.
7	112282	8-9-67	Do.	Hydraulic control system for a multi speed transmission.
8	112283	8-9-67 <sup>-</sup>	Do.	Hydraulic Governor.
9	113245	20-11-67	Trutzschler & Co., of 407 Rheydt-Oden- kirchen, West Germany.	Machine for opening cotton bales.
10	113799	2 <b>6-12-6</b> 7	F. L. Smidth & Co. A/S., of 77, Vigerslev Alle, Copenhagen-Valby, Denmark.	Method of and mills for grinding mineral materials.
11	116118	28-5-68	Caterpillar Tractor Co., State of California, 100 N. E. Adams Street, Peoria, Illinois 61629. U. S. A.	Two piece master track link.
12	117277	16-8-67	F. L. Smidth & Co. A/S., 77, Vigerslev Alle, Copenhagen-Valvy, Denmark,	Improvements to conveying and disti- buting device.
13	117542	3 <b>-9</b> -68	Caterpillar Tractor Co., State of Cali- fornia Adams Street, Peoria, Illinois 61629. U. S. A.	Articulated chair assembly.
14	117836	<b>25-9-68</b>	Trutzschler & Co., Rheydt-Odenkirchen, West Germany.	Apparatus for the pneumatic feeding of fiber tufts to spinning mill machinery.
15	118808	30-11-68	Caterpillar Tractor Co., State of California United States of America, 100 N. E. Adams Street, Peoria, Illinois 61628, U.S. A.	Replaceable ripper tip assembly.
16	119420	15-1-69	F. L. Smidth & Co. A/S., 77, Vigerslev Alle, Copenhagen-Valby, Denmark.	Methods of and apparatus for grinding mineral material.
17	124264	14-8-68	Do.	Improvements to conveying and distribu- ting device.
18	124948	20-1-70	Trutzschler & Co., of Duvenstr. 82-92, 407 Rheydt-Odenkirchen, West Germany.	Apparatus for the opening of a textile fibre bales.
19	125118	3-2-70	Pandrol Ltd., 7 Rolls Building, Fetter Lane, London, E.C. 4., England.	A railway rail fastening member and a railway rail and fastening arrangement including the member.
20 .	125713	12-3-70	Snamprogetti S. P. A., 16 Corso Venezia, Milan, Italy.	Device for the panoramic radiography of welding in metal pipings.
21	125869	24-3-70	Motor Industries Co. Ltd., Hosur Road, Adugodi, Bangalore-560 030, India.	Improvements in or relating to fuel injection pumps.
22	126325	23-4-70	Laboratories Vifer (India) Pvt. Ltd., 85 Dr. Annie Besant Road, Worli, Bombay-400 018. India.	A pifer proof obturator.
23	126476	2-5-70	Thermal Transfer Corporation, 150 Seco Road, Monroeville, Pennsylvania 15146, U.S.A.	Metallic flue recuperators.
24	126529	9-5-69	Aktie-selskabet Dansk Svovisyre-og Super- phosphatfabrik, 15, Amaliegade, Co- penhagen, Denmark.	Method and plant for effecting mass transfer process.
25	126608	11-5-70	Minnesota Mining and Manufacturing Company, 3M. Center, Saint Paul, Minnesota 55101, U.S.A.	Wire splicing apparatus and method.
26	127074	15-6-70	Girling Limited, King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Automatic Slack adjuster for vehicle brake.
27	127104	16-6-70	Ethicon inc, Sumerville, New Jeney 1 U.S.A.	Poly propylene non-absorbable suture.
28	127420	5-5-71	Carborundum Universal Ltd., 11/12, North Beach Road, Madras 1, India.	A grinding and/or polishing attachmendevice.

1	2	3	4	5
29	127472	9-7-70	Prerorske Strojirny Narodni Podnik, Pre- ror Czechoslovakia.	Apparatus for the preheating of pulveru- lent materials especially of cement raw materials.
30	127351	15-7-70	Do.	Method of coating granulous materials and apparatus for performing this method.
31	1 <b>27</b> 672	23-7-70	The Gilletle Co., of Prudential Tower Building, Boston, State of Massachusetts, U.S.A.	Metal articles such as razor blades, method and apparatus for making the same.
32	127960	10-8-70	Gould INC. E-1200 First National Barle Blay, Sr. Paul, Minnesota. U.S.A.	Methods of and means for Casting battery plates.
33	128061	18-8-70	Sumitomo Electrical Industries Limited, of 15, 5-Chome, kilahama Higashi-ku, Osaka, Japan.	Method for heat treating hot rolled steel wire rod.
34	128107	20-8-70	Girling Limited, King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in brake adjusters.
35	128198	27-8-70	Do.	Improvements in or relating to servomotars especially for vehicles braking.
36	128226	28-8-70	Angelo John Crisafulli, Post Box No. 1051, Gleudive, Montria, United States of America.	Centrifugal pump.
37	128231	29-8-70	Girling Limited, King's Road, Tyselay, Birmingham 11, Warwickshire, England.	Improvements in or relating to disc brakes.
38	128303	5-9-70	Glaverbel Mecaniver, of Chaulsee de la Hulpe, Watermael—Boitsfort, Belgium.	Process and apparatus for drawing sheet glass
<b>39</b> ′	128493	19-9-70	Demagag, 41, Duisburg Wolfgang, Reuterplatz, F.R.G.	Method and apparatus for cooling wide continuous metal castings particularly steel castings.
40	128548	22-9-70	Monsanta Co., State of Delaware, at 800 North Lingbergh Boulevard, St. Louis Missouri 63166, U. S. A.	Method and apparatus for improved extrusion of essentially invisitd jets.
41	128555	22-9-70	Ajit Kumar Bishma, B9/80 Vasant Vihar, New Delhi-57. New Delhi, INDIA.	Well point system,
42	128576	24-9-70	UOP, INC., at Ten. UOP plaza, Algenguin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Continuous reforming regeneration process.
43	128585	24-9-70	Alfred Zelier, Gotthardstr, 12, Thalwil, Switzerland, Swiss Nationality.	Apparatus for gripping and pulling a rope.
44	128597	25-9-70	Caterpillar Tractor Co., State of California, United States of America, 100 N. E. Adams Street, Peoria, Illinois 61629.	Cushioned track for earth working machines.
45	128683	3-10-70	Gould INC. E 1200—First Natioal Bank bldg. P.O.B. 3140 St. Paul, Minnesota, U.S.A.	A method of casting battery plate con- necting with a connecting strap and the articles so produced.
46	128699	5-10-70	Otto India Pvt. Ltd., 9 Camac Street, Calcutta-700017, West Bengal, India.	Charging car for coke ovens.
47	128699	5-10-70	Dr. C. Otto & Com. GMBH., of Christs- rasse 9, Postfach 1849/1850, 463 Bochum, West Germany,	Charging car for coke ovens.
48	128758	12-10-70	Shell International Research Maatschappij B. V. of Carel van Bylandtlaan 30, The Hague, The Netherlands.,	Method and apparatus for the cooling of soot containing gases.
49	128957	23-10-70	Glaverbel-Mecaniver, of 166 Chaussee de la Hulpe, Watermael-Boitsfort, Bel- gium.	Process and apparatus for forming a re- fractory mass by spraying.

1	2	3	4	5
50	129120	4-11-70	The Wheelabrator Corporation, Mishawa, Indiana, U.S.A.	Centrifugal blasting wheel and blade therefor.
51	129103	3-11-70	Etablissement Salgad, Vaduz, Liechtenste- in, an Establishment of Liechtenstein Right.	Device for calculating the angular setting of the aiming attachment for Grenade throwers.
52	129126	6-11-70	Girling Limited, of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in or relating to vehicle brakes.
<b>5</b> 3	129133	6-11-70	ING. NATALE CANTONE, Gorso, M Prestinaeni, 162, Vercelli, Italy	Agricultural machine for filling soil.
54	129137	7-11-70	Borgs Fabriks Aktiebolag, P. O. Box 242, S-60 104 Norrkoping, Sweden.	An aircraft carrier net.
55	129138	7-11-70	Do.	Improvements in aircraft arrester systems.
<b>5</b> 6	129211	12-11-70	Establissement Salgad, Vaduz, Liechtenstein.	Precission fuse particularly for projectiles.
57	129334	21-11-70	Dr. C. Otto & Comp. GMBH., Christ- strasse 9, Postfech 1849/1850, 463 Bo- chum, West Germany.	Charging car for coke ovens.
58	129400	26-11-70	BICC LIMITED, 21 Bloomsbury Street, London WC 1B 2 ON, England.	Improvements in or relating to the processing of wires.
59	129482	3-12-70	S. A. Hansentransmissions, Naamlore Vennootseshap of Boesenlegerstraat, 2520, Edegen (Antwerp Belgium).	A set of gear speed reducers.
60	129639	17-12-70	UOP, INC., at Ten UOP Plaza—Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, United States America.	Heat transfer tube with porous boiling surface.
61	129741	26-12-70 <sub>.</sub>	Wilhelm Stahlecker GmbH, 7341 Reichenbach Wuerttemberg, West Germany.	Twin top rollers for drafting system of spinning machines and a method of producing the same.
62	129748	28-12-70	Girling Ltd., Kings Road., Tyseley Birmingham, 11, England.	Liquid reservoirs.
63	129858	6-1-71	Janardhanan Padmanabhan Subra- monlam, C/o Jayson, Brothers, West Thampanoor, Trivandrum, Kerala State, India.	Improvements in or relating to values for regulating the flow of fluids through pipes.
64	129880	8-1-71	USS Engineers and Consultants INC at 600 Grant Sheet Pittsburg, State of Pennyslvania, U.S.A.	Apparatus for introducing gas tot metal in a bottom pour vessel.
65	129884	8-1-71	Etablissement Salgad, of Vaduz, Liechtenstein.	Apparatus for storage and transport of projectiles particularly tin-stabilized projectiles.
66	129932	14-1-71	Industrial Holding Establishment, of Liechtenstein, of Vadus, Principality of Liechtenstein.	Improvements in or relating to rocket missiles of the impact operating type.
67	130038	22-1-71	Gusdav Schade Maschinenfabrik GMBH & Co. D-46 1 Dortmund, Am Rosen-platzehen 120, F.R.G.	Device for the removal of materials form storage.
68_	130042	<b>%</b> -1-71	Girling Limited, of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in or relating to mechanical couplings for frictional elements of a brake.
69	130085	28-1-71	Do.	Improvements in or relating to mechanical couplings for shoe drum brakes.

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<b>7</b> 0	130100	29-1-71	Dunlop Holdings Limted, of Dunlop House, Ryder Street, St. James's, London SW 1, England.	Printers blankets.
71	130172	3-2-71	Wheelabrator Corporation, of Mishawaka, Indiana, U.S.A.	Centrifugal blasting wheel.
72	130191	5-2-71	G.D. Societa Per Azioni, of Via Pomponia 10, Bologna, Italy,	Conveyer device for assembling over lying layered sets of cigarettes and packing them in packets in cigarette packinging machines.
73	130217	9-2-71	Borg: Fabriks Artiebolag, of P. O. Box No. 242, S-60 104 Norrkoping, Sweden.	A method of operating energy absorber and an appartur therefor.
74	130293	17-2-71	USS Engineers and Consultants, INC., at 525, Pittsburg, William Pehrs place, State of Pennsylvania, U.S.A.	Contact assembly in a rotary type plating apparatus.
75	130361	25-2-71	ICI LID., ICH, Millbork, London, S.W.I. England.	Process and apparatus for cooling extruded tubing.
76	130431	2-3-71	Lewis Woolf Gripticht Ltd., 144, Oakfield Road, Selly Oak, Birmingham, England.	Infant feeding bottle.
77	130553	16-3-71	Union Carbide Corporation, at 270 Park Avenue, New York, State of New York 10017, U.S.A.	Liquid gas contacting tray.
78	130574	16-3-71	Establissement Salgad, of Vaduz, Liechtenstein.	For unlocking a tensioning member.
79	130633	19-3-71	ERIC Michael Roth, R. R. I., Unionville, Ontario, Canada.	Brush.
80	130634	19-3-71	Essex Group INC 1601, Wall Street, Fort wayre, Indianna, State of Michingan 46804. U.S.A.	Current control apparatus and methods of manufacture thereof.
81	130919	25-4-71	UOP, INC., Ten UOP Plaza Algonguin & Mt. ProspectiRoads, Des Plaines, Illinois, U.S.A.	Apparatus for reconditioning reforming catalyst.
82	130743	26-3-71	Establissement Salgad, of Vaduz, Liechtenstein.,	Device for unlocking a traction unit parti- cularly with vehicles.
83	130808	1-4-71	Shell Internationale Research Maatschap- pij B. V., Carel Van Bylandtlaan 30, The Hague, The Netherland	Apparatus for affecting the intimate mixing of two gaseous streams,
84	130829	13-4-71	John Heathcoat & Company, Limited of Tiverton, Devon, England.	Method of apparatus for producing bulked yarns.
85	130830	3-4-71	Wiltshire Cutlery Company Proprietary Limited, of Victoria, of 213 Sunshine Road, Tottenham, State of Victoria, Commonwealth of Australia.	
86	130834	3-4-71	Borgs Fabriks Aktiebolag, of P.O. Box 242, S-60 104, Norrkoping, Sweden.	Apparatus for regulating the driving tarque and energy absorption in absorption devices.
87	130843	5-4-71	Combustion Engineering Inc. 1000, Prospect Hill Road, Windsor, State of Connecticut. U.S.A.	Method for forming corners of omega- type expansion joints.

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88	130859	6-4-71	Girling Limited, King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in and relating to serve boosters for vehicle brake system.
89	130904	8-4 <b>-</b> 71	Combustion Engineering INC, 1000, Prospect Hill Road, Windsor, State of Connecticut, U.S.A.	Mechanism for supporting a toggle sec- tion connected in a duct system between spaced conduit sections.
90	130951	13-4-71	Thomas A. Hartman.	Elastomers in shear in force transfer systems
91	131002	16-4-71	Dr. C. Otto & Comp. GMBH., of Christs- trasse 9, postfach 1859/1850, 463 Boc- hum, West Germany.	By product oven.
92	131058	21-4-71	Flogates limited, of sandiron House, Beauchief, Sheffield, Yorkshire S7 IRA, England.	Improved slidable gate construction for use as a closing on a bottom row vessel.
93	131067	21-4-71	Index S. A. of a Swiss Company, of	Improvements in or relating to window
94	131068	21-4-71	Bollwerk 15, 3011 Bern, Switzerland.  Do.	hinge devices.  Improvements in or relating to window door or like assemblies.
95	131069	21-4-71	Do.	Improvements in or relating to window structures.
96	131070	21-4-71	Do.	Improvements in or relating to window frame structures.
97	131071	21-4-71	Index S. A. of a Swiss Company, of Bollwerk 15, 3011 Bern, Switzerland.	Improvements in or relating to machinery apparatus.
98	131072	21-4-71	. Do.	Improvements in or relating to [window frames.
99	131081	22-4-71	Ruti Machinery Works Ltd., 8630 Ruti, Zunich, Switzerland.	Arrangement for holding weft threads.
100	131103	24-4-71	Imaxo Limited, of 4 Westmount Square, Montreal 216, Quebec, Canada.	Pneumatic separator with recirculation of air.
101	131120	26-4-71	John Harold Barwell, of 13 Cranmer Road, Cambridge, Cambridgeshire, England.	Method of and an apparatus for applying treat material to a tyre or wheel and a tyre or wheel so obtained.
102	131201	1-5-71	Reinar Schmidt and Erik Schmidt, of Skyttegatan S-7, 77101 Ludivika, Sweden.	A thread cutting device for slide lathes.
103	131222	4-5-71	William Prym Werke KG, 519 Staiberg/ Rhld, Zweritaller Str. 5-7 F.R.G.	Process and equipment for manufacturing a slide fastener by wearing.
104	131239	5-5-71	Stencel Aero Engineering Corporation, of Municipal Airport Road, Arden, North Carolina, United States of America.	Arrangement for deploying and spreading a parachute.
105	131242	<b>5-5-7</b> 1	Aktieseskabet Niro Atomizer, 305, Glad- saxevej, 2860 Sborg, Denmark.	Liquid distributor for feeding liquid to rotating atomizer Wheel.
106	131357	13-5-71	VDO Tachometer Werk Adol, 6 Frankfure- am Main 90 Postfact 90/202, F.R.G.	Tachometer with a distance counting device.
107	131406	16-2-72	Compagnie Pechiney of 28 Rue De Bonnel, 69433 Lyon, France,	Process and an apparatus for the formation of threaded bores having surface.
108	131497	26-5-71	Borgs- Fabriks Aktiebolag, of P. O. Box No. 242, S-60 104 Norrkoping, Sweden.	Device for restoring the retractable barrier after arresting an air craft.

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109	131502	26-5-71	Mitsubishi Jukogyo Kabushiki Kaisha, of 5-1 Marunouchi 2 chome, Chiyoda- Tokyo, Japan	Reference samples suitable for use in a method of determining non-destructively a component of a metalic material.
110	131511	27-5-71	Girling Limited, of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in or relating to servo boosters for vehicle brake systems.
111	131565	2-6-71	Do.	Improvements relating to disc brakes,
112	131761	17-6-71	Dunlop Limited, of Dunlop House, Ryder Street, St. Jame's, London Sw1, England.	Printers blankets.
113	131831	22-6-71	Schwarz Holywell Limited, of 200 South Jayne Street, Tailorville Illinois, 62568, United States of America.	Improvements in air stopping in underground mines.
114	131885	26-6-71	Girling Limited, of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in or relating to lining wear indicators.
115	131964	2-7-71	Dunlop Holdings Limited, of Dunlop House, Ryder Street, St. James's, Lon- don SW1, England.	Improvements in or relating to pneumatic tyres.
116	131965	2-7-71	G. D. Societa Per Azioni, of Via Pomponia 10, Bologna, Italy.,	Improvements in or relating to devices for controlling the feed rate in cigaratte packaging mechanisim.
117	13,2045	9-7-71	UOP, INC., at Ten UOP Plaza—Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, United States of America.	flow distributing apparatus and use these of
118	132216	23-7-71	Sealed Power Corporation of 2001 Sanford Street, Muskogon, State of Michigan 49443, United States of America.	Improvements in the manufacture of spaces expandus.
119	132261	5-8-72	Yoshio Kato, of No; 31, Nishinagasuhon- dori, Amagasaki City, Hyogo, Japan.	Apparatus for medical treatment.
120	132311	30-7-71	Compagnie Pechiny of 28 rue De Bonnel, 69433 Lyon, France.	Flame guard for the electrode economiser of electric are furnaces.
121	132410	6-8-71	Parks Gamer Co. Box 444, Fitchurg, Massachuzettes, U.S.A.	Textile yarn farming machine data communicating an apparatus.
122	132411	6-8-71	De.	Yarns piecing apparatus.
123	132437	9-8-71	Ashworth Bros INC, P. O. Box No. 670, Fall river,	Card clothing.
124	132472	11-8-71	Motor Industries Co. Ltd. of Hosur Road, Adugodi, Bangalore 560 030, India.	Improvements in or relating to liquid filters.
125	132518	16-8-71	Dresser Investments N.V., of Willemsted, Curacao, Antilles, The Netherlands.	Method and apparatus for using and modulating liquid fuel and intake air for an internal combustion engine.
126	132556	18-8-71	Girling Limited, of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in or relating to vehicle brakes.
127	132577	19-8-71	Borgs Fabriks Aktiebolag, of P.O. Box No. 242, S-60 104, Norrkoping Sweden.	Aircraft arresting device.
128	132605	21 <del>-8-</del> 71	Combustion Engineering INC. 1000, Prospect Hill Road, Windsor State of connecticut, U.S.A.	Apparatus for intlating the heat heneration phase of an electroslag refining process.
129	132627	23- <b>8</b> -71	Establishment Salgad, of Vaduz, Liechtens- tein.,	Explosive device.
<b>,</b> 130	132737	1-9-71	Girling)Limited, (of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in or relating to autometic adjusters.

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131	132743	1-9-71	The Wheelabrator Corporation, State of Delaware, U.S.A., of Mishawalna, Indiana, U.S.A.	Regulating valve for magnetic materials.
132	132838	8-9-71	Instranctics INC. 1115, East Elm Avenue, Fullerton, California, U.S.A.	Receiver for disposable surgical implements.
133	132840	8 <b>-</b> 9-71	Coninklijke Nederlandsche Hoogovens En Staalfabrieken N.V. of Ijmuiden, The Netherlands.	Frocess and appearatus for the manufacturing of roasted, backed or sintered are pellets.
134	132841	8-9-71	Do.	A method for the manufacturing a backed pellets.
135	132857	9-9-71	Do.	Process and apparatus for the contro- lling of the conveyance of loose bulk materials.
136	132858	9-9-71	Do.	Process for the manufacturing of arc pellets.
137	132906	14-9-71	Do.	A method and a device for mixing and homogenising of bulk material.
138	132995	21-9-71	Snamprogetti S.P.A., an Italian Company of 16 Corso Venezia, Milan, Italy.	Process for the production of a reducing gas for blast furnace.
139	133146	6-10-71	Koninklijke Nederlandsche Hoogovens En Staalfabrieken N. V. of Ijmuiden, The Netherlands.	Process for communicating day material by crushing, grinding or milling and a device therefor.
140	133168	7-10-71	Otto Inidia Private Limited, of 9, Camac Street, Calcutta-700 017, West Bengal, India.	Central means for the introduction of gaseous combustion agent in relation to regeneratively heated oven batteries.
141	133226	14-10-71	Westinghouse Air Brake Company 40 West 40th Street, New York, N. Y. U.S.A.	A fluid presence brake equipment.
142	133238	15-10-71	Cluett, Peabody & Co. INC., at 433 Street, Troy, New York, United States of America.	Method and apparatus for compressively shrinking simultaneously a plurality of layers of fabrics.
143	133239	15-10-71	Jervis B. Webb Company, of 9001 Alpine Avenue, Detroit, Michigan 48204, United States of America.	Improvements in conveyor carriers,
144	133270	19-10-71	Girling Limited of King's Road Tyseley, Birmingham 11, Warwicksire, England.	Improvements in disc brakes for vehicles.
145	133284	20-10-71	Ro-Search, Incorporated, of County of Haywood, Georgia Avenue and Pine Street, Waynesville, North Carolina 28786. United States of America.	Footwear and method of and device for its manufacture.
146	133409	29-10-71	Girling Limited, of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Hydraulic braking system for vehicles.
147	133482	4-11-71	Deere & Co., Moline, Illinois, U.S.A.	Process for fnishing retterns and core boxes.

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#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 1. No. 152213 Knloskar Brothers Limited a company incorporated under the provisions of Indian Companies Act, of Udyog Bhavan, Tilak Road, Pune 411 602, State of Maharashtra, India. "Single Fast Pulley Pump". 19th August, 1982.
- Class. 1. No. 152211. Kirloskar Brothers Limited, a company incorporated under the provisions of Indian Companies Act, of Udyog Bhavan, Tilak Road, Pune 411 002. State of Maharashtra, India. "Centrifugal Pump". 19th August, 1982.
- Class. 1. No. 152195. Asish Sengupta, Indian National, of 370 Koreagon Park Road, Poona-411 001, State of Maharashtra, India. "Grinding Head". 13th August, 1982.
- Class. 1. No. 152184. Bert Thermo Control, of 141, Colaba Road, Bombay-400 005, State of Maharashtra India, a sole-Proprietory business. "Thermostat". 12th August, 1982.
- Class. 1. No. 152200. Omax Engineers, C-75, Focal Point, Ludhiana, Punjub State, an Indian Partnership Firm. "Chain wheel for Bicycles and Cycle Rickshaws". 16th August, 1982.
- Class. 1. No. 152716. Atco Limited, Incorporated in India 9 Wallace Street, Fort, City of Bombay, State of Maharashtra, India. "Heat Sinks" 25th January, 1983.
- Class. 1. No. 152715. Afco Limited, Incorporated in India, 9 Wallace Street, Fort, City of Bombay, State of Maharashtra, India. "Heat Sinks" 25th January, 1983.
- Class. 1. No. 152271. Sagar Vishnu Jog, Indian National of M/s. Lunar Enterprise 19, Ashok Nagar, Pune-411 007, State of Maharashtra, India. "Milling Machine". 7th September, 1982.
- Class. 1. No. 152228. Power Line Products Company, 35, Sidhpura Industrial Estate, Masrani Lane, Kurla, Bombay-400 070, State of Maharashtra, India. "Electrical Wite with insulator for transmission overhead power lines". 28th August, 1982.
- Class. I. No. 152229. Power Line Products Company, 35, Sidhpura Industrial Estate, Masrani Lane, Kurla, Bombay-400 070, State of Maharashtra, India. "Electrical Wire with insulator for transmission overhead power lines". 28th August, 1982.
- Class. 1. No. 152230. Power Line Products Company, 35, Sidhpura Industrial Estate, Masrani Lane, Kurla, Bombay-400 070, State of Maharashtra, India. "Electrical Wire with insulator for transmission overhead power lines". 28th August, 1982.
- Class. 1. No. 152256. Smith's Engineering Works, Shed No. ClB, 139 G.I.D.C. Vatwa, Ahmedabad (Gujarat), an Indian Sole Proprietory firm. "Hard Boiled Sweets Wrapping Machine". 1st September, 1982.
- Class. J. No. 152561. Mail Order Sales Private Limited, Mehta Mahal, 10th floor, 15, Mathew Road, Bombay-400 004, Maharashtra State India. "Multi Exerciser". 9th Docember, 1982.
- Class. V. No. 152197. Saurashtra Manufacturing Corporation, C-79, Mayapuri, Delhi-110064, au Indian Partnership Concern. "Ice-cream Freezer". 16th August, 1982

- Class. 3. No. 152475. Cello Plastic Industrial Works, Vakil Industrial Estate, Walbhat Road, Goregaon (Fast), Bombay-400 063, Maharashtra, an Indian Partnership Firm. "Container with Lid". 19th November, 1982.
- Class. 3. No. 152501. Sharda Novelty House, 96, 3rd Bhol-wada, Bhuleshwai, Bombay-400 002, Maharashtra, an Indian Partnership Firm. "Actylic Trolly" 16th December, 1982.
- Class. 3. No. 152592. Sharda Novelty House, 96, 3rd Bhoi-wada, Bhuleshwar, Bombay-400 002, Maharushtra, an Indian Partuership Firm. "Acrylic Trolly". 16th December, 1982.
- Cia s. 3. No. 152543. Tool Mint Engineers, 13, Mistry Industrial Complex MIDC Cross Road, "A", off Mahakalı Road, Andheri (East), Bombay-400093, State of Maharashtia, an Indian Sole Proprietory Firm. "Comb". 6th December, 1982.
- Class. 3. No. 152083. Peico Electronics and Electricals
  Limited, of Shivsagar Estate, Block 'A', Dr. Annie
  Besant Road, Worli, Bombay 18 (WB), Maha1ashtra State, India, an Indian Company. "Mono
  Cassette Recorder". 8th July, 1982.
- Class. 3. No. 152201. Sh. Amiit Pal Singh Gujral an Indian National of A-65, Guiu Nanak Society, Thana (East) 400603 (Maharashtra State), trading as M/s. Davindera Plustic Products, A-65, Guru Nanak Society, Ihana (East) 400603 (Maharashtra State) India. "Tooth Brush". 16th August, 1982.
- Class. 3. No. 152498. Garware Plastics & Polyester Limited, Western Express Highway, 50-A, Swami Nityanand Marg, Vile Parle (East), Bombay-400057, Maharashtia, (a Limited Company incorporated under the Indian Companies Act). "Water Tap". 26th November, 1982.
- Class. 3. No. 152692. Edna Indústries, Indian Partnership Concern. "Container". 20th January, 1983.
- Class. 3. No. 152107. Mrs. Raji S. Nayak 87, 6th Block, Rajaji Nagar, Bangalore 560010, Madras State, India of Indian Nationality. "Spark Plug Gap Resetter". 22nd July, 1982.
- Class. 3. No. 152666. Bata India Limited, a Public Limited Co. incorporated under the Indian Companies Act and having its registered office at 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "A sole of the Footwear". 11th January, 1983.
- Class. 5. No. 152134. Metal Box India Limited (formerly known as The Metal Box Company of India Limited) whose registered office is situated at Barlow House, 59C, Chowringhee, Calcutta-20, India. "Friction Surface for Articles Like Match Boxes". 29th July, 1982
- Class. 3. No. 152590. V. K. Plastics, 1st floor, Commercial Manor, 68/70, Clive Road, Dana Bunder, Bombay-400009, Maharashtra, an Indian Partnership Firm. "Tooth Brush and Paste Holder". 16th December, 1982.
- Class. 3. No. 152474. Cello Plastic Industrial Works, Vakil Industrial Estate, Walbhat Road, Goregaon (East), Bombay-400 063. Maharashtra, an Indian Partnership Firm. "Container with Lid". 19th November, 1982.
- Class. 3. No. 152476. Cello Plastic Industrial Works, Vakil Industrial Fstate, Walbhat Road, Goregaon (East), Bombay-400 063. Maharashtra, an Indian Partnership Firm. "Lunch Box". 19th November, 1982.
- Class. 3. No. 152749. Mahavir Products, Sati Industrial Estate, 2nd floor, I.B. Road, Goregaon (East), Bombay-400063, State of Maharashtra, India. "A Basket Ball Game". 5th February, 1983.

- Class. 3. No. 152691. Edna Industries, Indian Partnership Concern. "Container for Cosmetic goods". 20th January, 1983.
- Class. 3. No. 152361. Excel Packaging, 245, Abdul Rehman Street, M.M.K. Building, 3rd floor, Bombay 400003, Maharashtra, Indian Partnership Firm. "Round Container". 11th October, 1982.
- Class. 3. No. 152362. Excel Packaging, 245, Abdul Rehman Street, M.M.K. Building, 3rd floor, Bombay-400003, Mahatashtra, Indian Partnership Firm. "Round Container". 11th October, 1982.
- Class. 3. No. 152133. Jyoti Limited (an existing Company under the Companies Act) at P.O. Chemical Industries, Industrial Area, Baroda-390003, Gujarat State, India. "Contactor". 29th July, 1982.
- Class. 3. No. 152765. Bata India Limited, a Public Limited Co. incorporated under the Indian Companies Act and having its registered office at 30, Shakespeare Sarani Calcutta-700017, West Bengal. "a sole of the footwear". 14th February, 1983.
- Class. 3. No. 152341, ARRWICK AG., Chemical Manufacturers, a Swiss Corporation of Webergasse 34, 4002 Basle, Switzerland. 'Dispenser for Air Treating Material'. 5th October, 1982.
- Class. 1. No. 152560. Mail Order Sales Private Limited, Menta Mahal, 10th floor, 15, Mathew Road, Bombay-400 004, Maharashtra State India. "Phisical Exerciser". 9th December, 1982.
- Class. 3. No. 152564. Ranbaxy Laboratories Limited 78-Nehru Place, New Delhi-110019, India, a Company incorporated under the Indian Companies Act. "Cord Lamp". 10th December, 1982.
- Class. 3. No. 152510. Sumeet Polymers, 1819/A, Gali No. 1. Kailash Nagar, Delhi-110031, a firm registered under the Partnership Act, 1932. "The mic Jug". 29th November, 1982.

- Class. 3. No. 152511. Sumeet Polymers, 1819/A, Gali No. 1, Kailash Nagar, Delhi-110031, a firm registered under the partnership Act, 1932. "Water Cooler". 29th November, 1982.
- Class. 10. No. 152665. Bata India Limited, a Public Limited Co. incorporated under the Indian Companies Act and having its registered office at 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "A Footwear". 11th January, 1983.
- Class. 10. No. 152764. Bata India Limited, a Public Limited Co. incorporated under the Indian Companies Act and having its registered office at 30, Shakespeare Sarani, Calcutta-700017, West Bengal, "Footwear". 14th February, 1983.
- Extn. of Copyright for the Second period of five years.

  Nos. 151706. 151299, 151559, 146339, 146350, 146351, 146200. Class-1.

  Nos. 146351, 146462, 146201, 146653, 146311, 152315. Class-3.

  Extn. of Copyright for the Third Period of five years.

  Nos. 151706, 151299, 151559, 140169. Class-1.

  No. 152315. Class-3.

  Nos. 140170, 140134. Class-4.

  No. 140171. Class-5.

  Extn. of Copyright for the Second period of five years.

  No. 143297. Class-1.

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